ISO P - ISO H

Material Specific taps for hard steel (25÷63 HRC)

PH-SP
PM-SP
PMSP Rc

PM-PO
EH-PO

EH-HT
UH-CT
PMST Rc



MS MATERIAL SPECIFIC

Think threads with YAMAWA

PH-SP

MATERIAL SPECIFIC MS



DIN | HSS-E | OX | 3P THCHT

PH-SP Pre-hardened ≤37 HRC

- Spiral fluted taps for hard materials up to 37 HRC
- Material specific taps for blind hole application
- Specific design for medium-high tensile strength steel (37 HRC) application
- Oxidation surface treatment enables flutes to retain more oil during tapping helping to avoid welding problems on the thread portion of the tap, resulting in excellent internal surface

ISO	Materials	Hardness	Lower cutting speed is recommended (~5 m/min)
P6	High tensile strength steel	40~45 HRC	5m/min EH (HSS-Co)
P5	Tool steel (100MnCrW4-1.2510 40CrMnMo7-1.2311)	30~40 HRC	PM (HSS-P)
P4	High alloy steel (CrMo, NiCrMo)	25~30 HRC	PH (HSS-E)

Most Suitable

PM-SP

MATERIAL SPECIFIC MS



DIN | HSS-P | 2.75P THCHT

PM-SP Powder Metal 25÷45 HRC

- Material specific taps for blind hole application
- Specific design and premium grade HSSP for stable and long life on alloy steel and tool steel (25 ÷ 45 HRC) application
- Reliable and high performance tapping for the mould&die industry
- Avaiable also Rc Thread (PMSP Rc and PMST Rc)

ISO	Materials	Hardness	Lower cutting speed is recommended (~5 m/min)
P6	High tensile strength steel	40~45 HRC	5m/min
P5	Tool steel (100MnCrW4-1.2510 40CrMnMo7-1.2311)	30~40 HRC	PM (HSS-P)
P4	High alloy steel (CrMo, NiCrMo)	25~30 HRC	

Most Suitable

PM-PO

MATERIAL SPECIFIC MS



DIN | HSS-P | 5.5P THCHT

PM-PO Powder Metal 25÷45 HRC

- Material specific taps for through hole application
- Specific design and premium grade HSSP for stable and long life on alloy steel and tool steel (25 ÷ 45 HRC) application
- Reliable and high performance tapping for the mould&die industry
- Avaiable also Rc Thread (PMST Rc)

ISO	Materials	Hardness	Lower cutting speed is recommended (~5 m/min)
P6	High tensile strength steel	40~45 HRC	5m/min
P5	Tool steel (100MnCrW4-1.2510 40CrMnMo7-1.2311)	30~40 HRC	PM (HSS-P)
P4	High alloy steel (CrMo, NiCrMo)	25~30 HRC	

Most Suitable

EH-PO

MATERIAL SPECIFIC MS



DIN | HSS-Co | 4.5P THCHT

EH-PO Extra Hard 30÷45 HRC

- Spiral pointed taps for hard materials up to 45 HRC
- Material specific taps for through hole application
- EH-PO taps are specially designed for high tensile strength steel up to 45 HRC
- Thanks to toughness and wear resistance (as combination of HSS-Co substrate + suitable geometry), EH-PO taps feature stable and long life

ISO	Materials	Hardness	Lower cutting speed is recommended (~5 m/min)
P6	High tensile strength steel	40~45 HRC	EH (HSS-Co)
P5	Tool steel (100MnCrW4-1.2510 40CrMnMo7-1.2311)	30~40 HRC	PM (HSS-P)
P4	High alloy steel (CrMo, NiCrMo)	25~30 HRC	PH (HSS-E)

5m/min

Most Suitable

EH-HT

MATERIAL SPECIFIC MS



DIN | HSS-Co | 2.5P THCHT

EH-HT Extra Hard 30÷45 HRC

- Straight fluted taps for hard materials up to 45 HRC
- Material specific taps for blind and through hole application
- EH-HT taps are specially designed for high tensile strength steel up to 45 HRC
- Thanks to toughness and wear resistance (as combination of HSS-Co substrate + suitable geometry), EH-HT taps feature stable and long life

ISO	Materials	Hardness	Lower cutting speed is recommended (~5 m/min)
P6	High tensile strength steel	40~45 HRC	EH (HSS-Co)
P5	Tool steel (100MnCrW4-1.2510 40CrMnMo7-1.2311)	30~40 HRC	PM (HSS-P)
P4	High alloy steel (CrMo, NiCrMo)	25~30 HRC	PH (HSS-E)

5m/min

Most Suitable

UH-CT

MATERIAL SPECIFIC MS



DIN | HF CARBIDE | COATING | SYNCHRO | 5P THCHT

UH-CT Ultra Hard ≤ 63 HRC

- Coated carbide taps for high hardness steel (55 ÷ 63 HRC)
- Material specific taps for blind and through hole application
- Featuring specific design, ultra fine micrograin, and suitable coating for long and stable tool life
- With 5P chamfer length

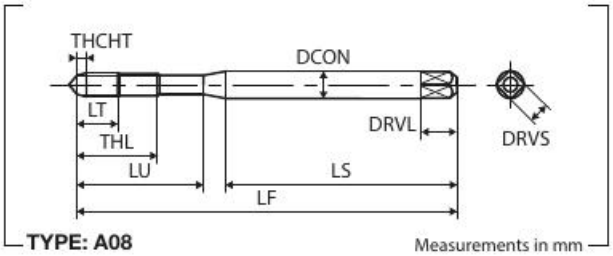
Dimensions and sizes

PH-SP ≤37 HRC

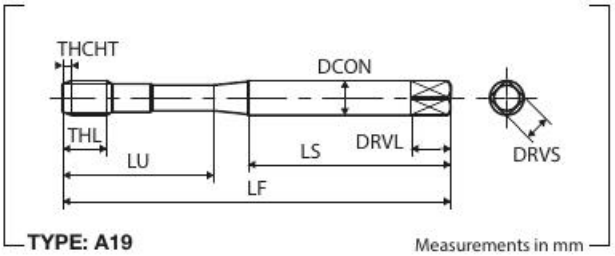
MATERIAL SPECIFIC SERIES MS



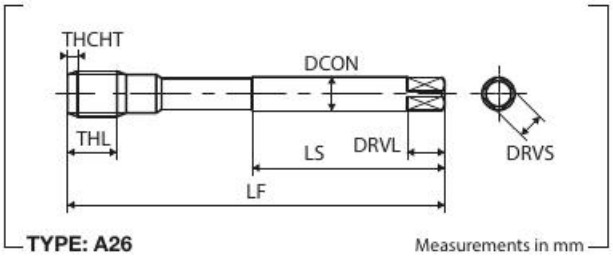
DIN | HSS-E HSS ≥Ø25 | OX | 3P THCHT



TYPE: A08 Measurements in mm



TYPE: A19 Measurements in mm



TYPE: A26 Measurements in mm

● stock standard, ◘ check stock, ◉ non-stock standard (no MOQ), ○ non-stock standard (MOQ), ▲ upcoming product, ▽ stock exhaustion

M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 371																
M3x0.5	ISO2(6H)	2.5	2.56	SD3.0GAEEX	3P	56	5	9	18	34	3.5	2.7	6	3	A08	●
M4x0.7	ISO2(6H)	3.3	3.38	SD4.0IAEEX	3P	63	7	13	21	38	4.5	3.4	6	3	A08	●
M5x0.8	ISO2(6H)	4.2	4.28	SD5.0KAEEX	3P	70	9	14	25	39	6	4.9	8	3	A08	●
M6x1	ISO2(6H)	5	5.09	SD6.0MAEEX	3P	80	11	15	30	45	6	4.9	8	3	A08	●
M8x1.25	ISO2(6H)	6.8	6.85	SD8.0NAEEX	3P	90	-	12	35	47	8	6.2	9	3	A19	●
M10x1.5	ISO2(6H)	8.5	8.6	SD010OAEEX	3P	100	-	13	39	52	10	8	11	3	A19	●

M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 376																
M12x1.75	ISO2(6H)	10.3	10.36	SG012PAEEX	3P	110	-	15	-	56	9	7	10	4	A26	●
M14x2	ISO2(6H)	12	12.12	SG014QAEEX	3P	110	-	18	-	56	11	9	12	4	A26	●
M16x2	ISO2(6H)	14	14.12	SG016QAEEX	3P	110	-	18	-	56	12	9	12	4	A26	●
M18x2.5	ISO2(6H)	15.5	15.63	SG018RAEEX	3P	125	-	20	-	64	14	11	14	4	A26	●
M20x2.5	ISO2(6H)	17.5	17.63	SG020RAEEX	3P	140	-	20	-	71	16	12	15	4	A26	●
M22x2.5	ISO2(6H)	19.5	19.63	SG022RAEEX	3P	140	-	20	-	71	18	14.5	17	5	A26	●
M24x3	ISO2(6H)	21	21.13	SG024SAEEX	3P	160	-	25	-	82	18	14.5	17	5	A26	●
M27x3	ISO2(6H)	24	24.13	SG027SAEEX	3P	160	-	25	-	82	20	16	19	5	A26	●
M30x3.5	ISO2(6H)	26.5	26.63	SG030TAEEX	3P	180	-	30	-	92	22	18	21	5	A26	●

MF	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 374																
M8x1	ISO2(6H)	7	7.09	SM8.0MAEEX	3P	90	-	12	-	46	6	4.9	8	3	A26	●
M10x1.25	ISO2(6H)	8.8	8.85	SM010NAEEX	3P	100	-	13	-	51	7	5.5	8	3	A26	●
M10x1	ISO2(6H)	9	9.09	SM010MAEEX	3P	90	-	13	-	46	7	5.5	8	3	A26	●
M12x1.5	ISO2(6H)	10.5	10.6	SM012OAEEX	3P	100	-	15	-	51	9	7	10	4	A26	●
M12x1.25	ISO2(6H)	10.8	10.85	SM012NAEEX	3P	100	-	15	-	51	9	7	10	4	A26	●

MF	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 374																
M14x1.5	ISO2(6H)	12.5	12.6	SM0140AEEX	3P	100	-	14	-	51	11	9	12	4	A26	●
M16x1.5	ISO2(6H)	14.5	14.6	SM0160AEEX	3P	100	-	14	-	51	12	9	12	4	A26	●
M18x1.5	ISO2(6H)	16.5	16.6	SM0180AEEX	3P	110	-	14	-	56	14	11	14	4	A26	●
M20x1.5	ISO2(6H)	18.5	18.6	SM0200AEEX	3P	125	-	14	-	64	16	12	15	4	A26	●
M22x1.5	ISO2(6H)	20.5	20.6	SM0220AEEX	3P	125	-	14	-	64	18	14.5	17	5	A26	●
M24x2	ISO2(6H)	22	22.12	SM024QAEEX	3P	140	-	18	-	71	18	14.5	17	5	A26	●
M24x1.5	ISO2(6H)	22.5	22.6	SM0240AEEX	3P	140	-	18	-	71	18	14.5	17	5	A26	●
M27x2	ISO2(6H)	25	25.12	SM027QAEEX	3P	140	-	20	-	71	20	16	19	5	A26	●
M30x2	ISO2(6H)	28	28.12	SM030QAEEX	3P	150	-	20	-	77	22	18	21	5	A26	●
M30x1.5	ISO2(6H)	28.5	28.6	SM0300AEEX	3P	150	-	20	-	77	22	18	21	5	A26	○

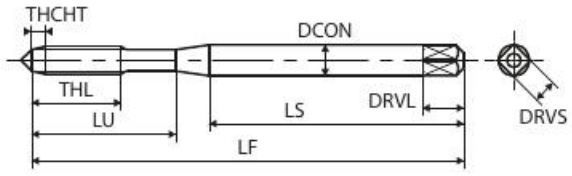
G (BSP)	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 5156																
1/8-28	-	8.75	8.78	SVG0020EEX	3P	90	-	12	-	46	7	5.5	8	3	A26	●
1/4-19	-	11.75	11.78	SVG0040EEX	3P	100	-	14	-	51	11	9	12	4	A26	●
3/8-19	-	15.25	15.28	SVG0060EEX	3P	100	-	14	-	51	12	9	12	4	A26	●
1/2-14	-	19	19.04	SVG0080EEX	3P	125	-	18	-	64	16	12	15	4	A26	●

PM-SP 25÷45 HRC

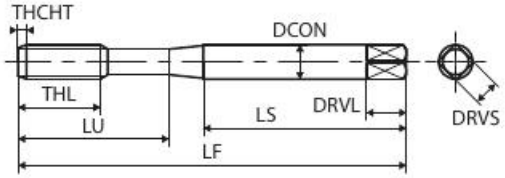
MATERIAL SPECIFIC SERIES MS



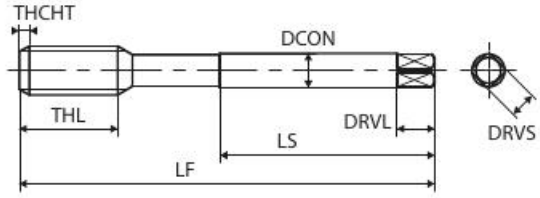
DIN | HSS-P | 2.75P THCHT



TYPE: D05 Measurements in mm



TYPE: D11 Measurements in mm



TYPE: D13 Measurements in mm

● stock standard, ◘ check stock, ◉ non-stock standard (no MOQ), ○ non-stock standard (MOQ), ▲ upcoming product, ▽ stock exhaustion

M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 371																
M3x0.5	ISO2X(6HX)	2.5	2.56	SD3.0GBDPB	2.75P	56	-	9	18	34	3.5	2.7	6	3	D05	●
M4x0.7	ISO2X(6HX)	3.3	3.38	SD4.0IBDPB	2.75P	63	-	13	21	38	4.5	3.4	6	3	D05	●
M5x0.8	ISO2X(6HX)	4.2	4.28	SD5.0KBDPB	2.75P	70	-	14	25	39	6	4.9	8	3	D05	●
M6x1	ISO2X(6HX)	5	5.09	SD6.0MBDPB	2.75P	80	-	15	30	45	6	4.9	8	3	D05	●
M8x1.25	ISO2X(6HX)	6.8	6.85	SD8.0NBDPB	2.75P	90	-	19	35	47	8	6.2	9	3	D11	●
M10x1.5	ISO2X(6HX)	8.5	8.6	SD010OBDPB	2.75P	100	-	23	39	52	10	8	11	3	D11	●

M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 376																
M12x1.75	ISO2X(6HX)	10.3	10.36	SG012PBDPB	2.75P	110	-	26	-	56	9	7	10	3	D13	●
M14x2	ISO2X(6HX)	12	12.12	SG014QBDPB	2.75P	110	-	26	-	56	11	9	12	3	D13	●
M16x2	ISO2X(6HX)	14	14.12	SG016QBDPB	2.75P	110	-	26	-	56	12	9	12	3	D13	●
M18x2.5	ISO2X(6HX)	15.5	15.63	SG018RBDPB	2.75P	125	-	33	-	64	14	11	14	4	D13	●
M20x2.5	ISO2X(6HX)	17.5	17.63	SG020RBDPB	2.75P	140	-	33	-	71	16	12	15	4	D13	●
M22x2.5	ISO2X(6HX)	19.5	19.63	SG022RBDPB	2.75P	140	-	33	-	71	18	14.5	17	4	D13	●
M24x3	ISO2X(6HX)	21	21.13	SG024SBDPB	2.75P	160	-	37	-	82	18	14.5	17	4	D13	●
M27x3	ISO2X(6HX)	24	24.13	SG027SBDPB	2.75P	160	-	37	-	82	20	16	19	4	D13	●
M30x3.5	ISO2X(6HX)	26.5	26.63	SG030TBDPB	2.75P	180	-	44	-	92	22	18	21	4	D13	●

MF	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 374																
M8x1	ISO2X(6HX)	7	7.09	SM8.0MBDPB	2.75P	100	-	12	-	51	7	5.5	8	3	D13	●
M10x1.25	ISO2X(6HX)	8.8	8.85	SM010NBDPB	2.75P	100	-	23	-	51	7	5.5	8	3	D13	●
M10x1	ISO2X(6HX)	9	9.09	SM010MBDPB	2.75P	100	-	13	-	51	7	5.5	8	3	D13	●
M12x1.5	ISO2X(6HX)	10.5	10.6	SM012OBDPB	2.75P	100	-	21	-	51	9	7	10	3	D13	●
M12x1.25	ISO2X(6HX)	10.8	10.85	SM012NBDPB	2.75P	100	-	21	-	51	9	7	10	3	D13	●
M14x1.5	ISO2X(6HX)	12.5	12.6	SM014OBDPB	2.75P	100	-	21	-	51	11	9	12	3	D13	●
M16x1.5	ISO2X(6HX)	14.5	14.6	SM016OBDPB	2.75P	100	-	21	-	51	12	9	12	3	D13	●
M18x1.5	ISO2X(6HX)	16.5	16.6	SM018OBDPB	2.75P	110	-	24	-	56	14	11	14	4	D13	●
M20x1.5	ISO2X(6HX)	18.5	18.6	SM020OBDPB	2.75P	125	-	24	-	64	16	12	15	4	D13	●
M22x1.5	ISO2X(6HX)	20.5	20.6	SM022OBDPB	2.75P	125	-	24	-	64	18	14.5	17	4	D13	●
M24x2	ISO2X(6HX)	22	22.12	SM024QBDPB	2.75P	140	-	27	-	71	18	14.5	17	4	D13	●
M24x1.5	ISO2X(6HX)	22.5	22.6	SM024OBDPB	2.75P	140	-	27	-	71	18	14.5	17	4	D13	●
M27x2	ISO2X(6HX)	25	25.12	SM027QBDPB	2.75P	140	-	20	-	71	20	16	19	4	D13	●
M27x1.5	ISO2X(6HX)	25.5	25.6	SM027OBDPB	2.75P	140	-	27	-	71	20	16	19	4	D13	●
M30x2	ISO2X(6HX)	28	28.12	SM030QBDPB	2.75P	150	-	20	-	77	22	18	21	4	D13	●
M30x1.5	ISO2X(6HX)	28.5	28.6	SM030OBDPB	2.75P	150	-	27	-	77	22	18	21	4	D13	●

UNC	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 371																
5/16-18UNC	2BX	6.6	6.65	SDU05OYDPB	2.75P	90	-	19	35	47	8	6.2	9	3	D11	●
3/8-16UNC	2BX	8	8.07	SDU06PYDPB	2.75P	100	-	23	39	54	9	7	10	3	D11	●

UNC	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 376																
7/16-14UNC	2BX	9.4	9.45	SGU07QYDPB	2.75P	100	-	23	-	51	8	6.2	9	3	D13	○
1/2-13UNC	2BX	10.9	10.91	SGU08RYDPB	2.75P	110	-	26	-	56	9	7	10	3	D13	●
5/8-11UNC	2BX	13.6	13.75	SGU10UYDPB	2.75P	110	-	26	-	56	12	9	12	3	D13	●
3/4-10UNC	2BX	16.6	16.7	SGU12VYDPB	2.75P	125	-	33	-	64	14	11	14	3	D13	●
1-8UNC	2BX	22.3	22.45	SGU16XYDPB	2.75P	160	-	37	-	82	18	14.5	17	3	D13	○

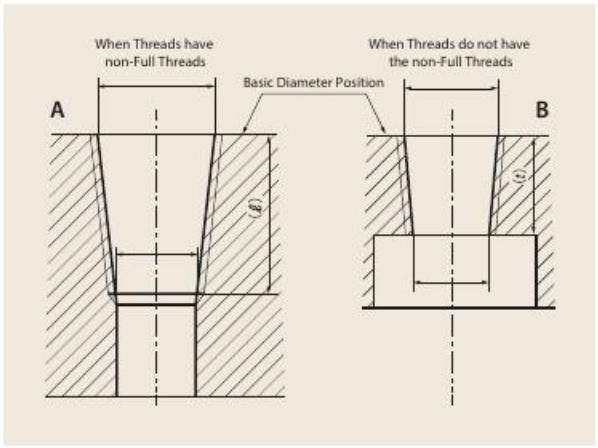
UNF	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	LT	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 374																
5/16-24UNF	2BX	6.9	6.97	SMU05MYDPB	2.75P	90	-	19	-	46	6	4.9	8	3	D13	●
3/8-24UNF	2BX	8.5	8.57	SMU06MYDPB	2.75P	100	-	23	-	51	7	5.5	8	3	D13	●
7/16-20UNF	2BX	9.9	9.96	SMU07NYDPB	2.75P	100	-	23	-	51	8	6.2	9	3	D13	○
1/2-20UNF	2BX	11.5	11.54	SMU08NYDPB	2.75P	100	-	21	-	51	9	7	10	3	D13	●
5/8-18UNF	2BX	14.5	14.6	SMU10OYDPB	2.75P	100	-	21	-	51	12	9	12	3	D13	●
3/4-16UNF	2BX	17.5	17.59	SMU12PYDPB	2.75P	110	-	24	-	56	14	11	14	3	D13	●
1-12UNF	2BX	23.3	23.46	SMU16SYDPB	2.75P	140	-	27	-	71	18	14.5	17	3	D13	○

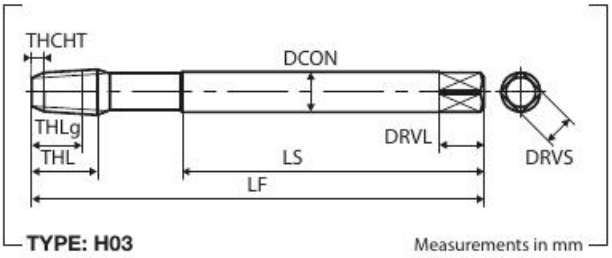
PMSP Rc 25÷45 HRC



DIN | HSS-P | OX | 2.5P THCHT

Bored Hole Ø (mm) A - B





TYPE: H03

Measurements in mm

Rc (BSPT)	TCTR (tolerance)	Bored Hole Ø (mm) A	Bored Hole Ø (mm) B	Code	THCHT	Basic major D	LF	THL	THLg	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN																
1/8-28	-	8.1	8.2	3117020004	2.5P	9.728	90	15	10.1	46	7	5.5	8	3	H03	●
1/4-19	-	10.7	10.9	3117020006	2.5P	13.157	100	19	15	51	11	9	12	3	H03	●
3/8-19	-	14.2	14.4	3117020008	2.5P	16.662	100	21	15.4	51	12	9	12	3	H03	●
1/2-14	-	17.6	17.9	3117020009	2.5P	20.955	125	26	20.5	64	16	12	15	4	H03	●
3/4-14	-	23	23.3	3117020011	2.5P	26.441	140	28	21.8	71	20	16	19	4	H03	●
1-11	-	29	29.3	3117020013	2.5P	33.249	160	33	26	82	25	20	23	4	H03	●

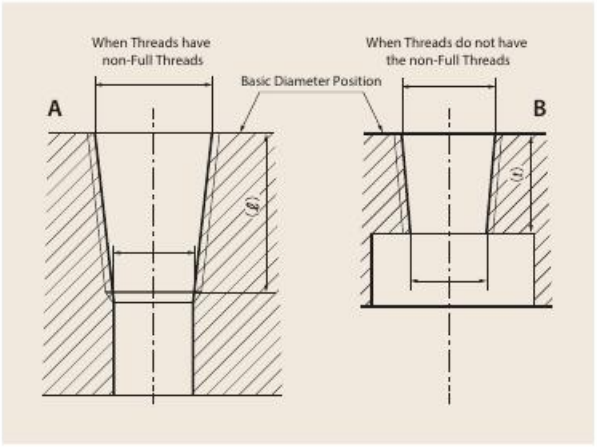
PMST Rc 25÷45 HRC

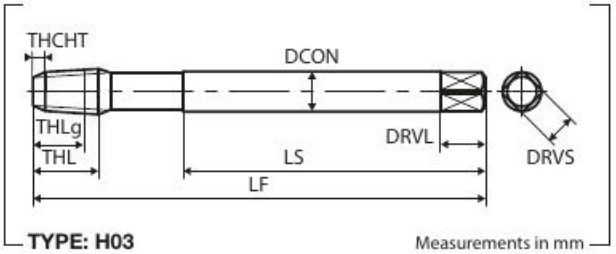
MATERIAL SPECIFIC MS



DIN | HSS-P | OX | 2.5P THCHT

Bored Hole Ø (mm) A - B





TYPE: H03

Measurements in mm

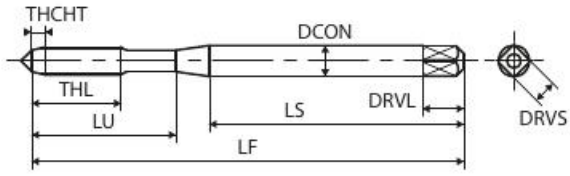
Rc (BSPT)	TCTR (tolerance)	Bored Hole Ø (mm) A	Bored Hole Ø (mm) B	Code	THCHT	Basic major D	LF	THL	THLg	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN																
1/8-28	-	8.1	8.2	3118020004	2.5P	9.728	90	15	10.1	46	7	5.5	8	-	H03	●
1/4-19	-	10.7	10.9	3118020006	2.5P	13.157	100	19	15	51	11	9	12	-	H03	●
3/8-19	-	14.2	14.4	3118020008	2.5P	16.662	100	21	15.4	51	12	9	12	-	H03	◉
1/2-14	-	17.6	17.9	3118020009	2.5P	20.955	125	26	20.5	64	16	12	15	-	H03	●
3/4-14	-	23	23.3	3118020011	2.5P	26.441	140	28	21.8	71	20	16	19	-	H03	●
1-11	-	29	29.3	3118020013	2.5P	33.249	160	33	26	82	25	20	23	-	H03	●

PM-PO 25÷45 HRC

MATERIAL SPECIFIC SERIES MS

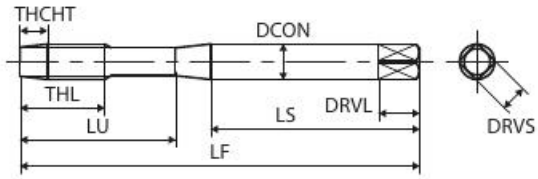


DIN | HSS-P | 5.5P THCHT



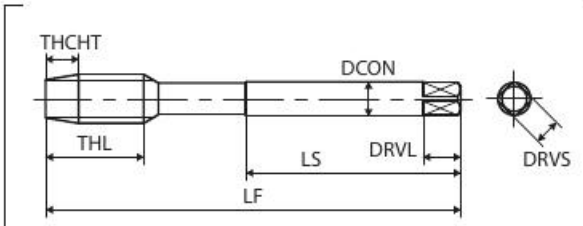
TYPE: D05

Measurements in mm



TYPE: C06

Measurements in mm



TYPE: C09

Measurements in mm

● stock standard, ◘ check stock, ◉ non-stock standard (no MOQ), ○ non-stock standard (MOQ), ▲ upcoming product, ▽ stock exhaustion

M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 371															
M3x0.5	ISO2X(6HX)	2.5	2.56	PD3.0GBDPB	5.5P	56	9	18	34	3.5	2.7	6	3	D05	●
M4x0.7	ISO2X(6HX)	3.3	3.38	PD4.0IBDPB	5.5P	63	13	21	38	4.5	3.4	6	3	D05	●
M5x0.8	ISO2X(6HX)	4.2	4.28	PD5.0KBDPB	5.5P	70	14	25	39	6	4.9	8	3	D05	●
M6x1	ISO2X(6HX)	5	5.09	PD6.0MBDPB	5.5P	80	15	30	45	6	4.9	8	3	D05	●
M8x1.25	ISO2X(6HX)	6.8	6.85	PD8.0NBDPB	5.5P	90	19	35	47	8	6.2	9	3	C06	●
M10x1.5	ISO2X(6HX)	8.5	8.6	PD010OBDPB	5.5P	100	23	39	52	10	8	11	3	C06	●

M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 376															
M12x1.75	ISO2X(6HX)	10.3	10.36	PG012PBDPB	5.5P	110	26	-	56	9	7	10	3	C09	●
M14x2	ISO2X(6HX)	12	12.12	PG014QBDPB	5.5P	110	26	-	56	11	9	12	3	C09	●
M16x2	ISO2X(6HX)	14	14.12	PG016QBDPB	5.5P	110	26	-	56	12	9	12	3	C09	●
M18x2.5	ISO2X(6HX)	15.5	15.63	PG018RBDPB	5.5P	125	33	-	64	14	11	14	4	C09	●
M20x2.5	ISO2X(6HX)	17.5	17.63	PG020RBDPB	5.5P	140	33	-	71	16	12	15	4	C09	●
M22x2.5	ISO2X(6HX)	19.5	19.63	PG022RBDPB	5.5P	140	33	-	71	18	14.5	17	4	C09	●
M24x3	ISO2X(6HX)	21	21.13	PG024SBDPB	5.5P	160	37	-	82	18	14.5	17	3	C09	●
M27x3	ISO2X(6HX)	24	24.13	PG027SBDPB	5.5P	160	37	-	82	20	16	19	4	C09	●
M30x3.5	ISO2X(6HX)	26.5	26.63	PG030TBDPB	5.5P	180	44	-	92	22	18	21	4	C09	●

MF	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 374															
M10x1.25	ISO2X(6HX)	8.8	8.85	PM010NBDPB	5.5P	100	23	-	51	7	5.5	8	3	C09	●
M12x1.5	ISO2X(6HX)	10.5	10.6	PM012OBDPB	5.5P	100	21	-	51	9	7	10	3	C09	●
M12x1.25	ISO2X(6HX)	10.8	10.85	PM012NBDPB	5.5P	100	21	-	51	9	7	10	3	C09	●
M14x1.5	ISO2X(6HX)	12.5	12.6	PM014OBDPB	5.5P	100	21	-	51	11	9	12	3	C09	●
M16x1.5	ISO2X(6HX)	14.5	14.6	PM016OBDPB	5.5P	100	21	-	51	12	9	12	3	C09	●
M18x1.5	ISO2X(6HX)	16.5	16.6	PM018OBDPB	5.5P	110	24	-	56	14	11	14	4	C09	●
M20x1.5	ISO2X(6HX)	18.5	18.6	PM020OBDPB	5.5P	125	24	-	64	16	12	15	4	C09	●

MF	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 374															
M22x1.5	ISO2X(6HX)	20.5	20.6	PM0220BDPB	5.5P	125	24	-	64	18	14.5	17	4	C09	●
M24x1.5	ISO2X(6HX)	22.5	22.6	PM0240BDPB	5.5P	140	27	-	71	18	14.5	17	4	C09	●
M27x1.5	ISO2X(6HX)	25.5	25.6	PM0270BDPB	5.5P	140	27	-	71	20	16	19	4	C09	●
M30x1.5	ISO2X(6HX)	28.5	28.6	PM0300BDPB	5.5P	150	27	-	77	22	18	21	4	C09	●

UNC	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 371															
No.6-32UNC	2B	2.8	2.83	PDUN6JXDPB	5.5P	56	11	19	32	4	3	6	2	D05	●
No.8-32UNC	2B	3.4	3.47	PDUN8JXDPB	5.5P	63	13	21	38	4.5	3.4	6	2	D05	●
No.10-24UNC	2B	3.89	3.9	PDUNAMXDPB	5.5P	70	14	24	39	6	4.9	8	2	D05	●
No.12-24UNC	2B	4.5	4.53	PDUNCMXDPB	5.5P	80	15	28	45	6	4.9	8	2	D05	●
1/4-20UNC	2BX	5.1	5.19	PDU04NYDPB	5.5P	80	15	30	42	7	5.5	8	3	D05	●
5/16-18UNC	2BX	6.6	6.65	PDU05OYDPB	5.5P	90	19	35	47	8	6.2	9	3	C06	●
3/8-16UNC	2BX	8	8.07	PDU06PYDPB	5.5P	100	23	39	54	9	7	10	3	C06	●

UNC	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 376															
7/16-14UNC	2BX	9.4	9.45	PGU07QYDPB	5.5P	100	23	-	51	8	6.2	9	3	C09	●
1/2-13UNC	2BX	10.9	10.91	PGU08RYDPB	5.5P	110	26	-	56	9	7	10	3	C09	●
9/16-12UNC	2BX	12.2	12.33	PGU09SYDPB	5.5P	110	26	-	56	11	9	12	3	C09	●
5/8-11UNC	2BX	13.6	13.75	PGU10UYDPB	5.5P	110	26	-	56	12	9	12	3	C09	●
3/4-10UNC	2BX	16.6	16.7	PGU12VYDPB	5.5P	125	33	-	64	14	11	14	3	C09	●
7/8-9UNC	2BX	19.6	19.61	PGU14WYDPB	5.5P	140	33	-	71	18	14.5	17	3	C09	●
1-8UNC	2BX	22.3	22.45	PGU16XYDPB	5.5P	160	37	-	82	18	14.5	17	3	C09	●

UNF	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 371															
No.6-40UNF	2B	2.9	2.97	PDUN6HXDPB	5.5P	56	11	19	32	4	3	6	2	D05	●
No.8-36UNF	2B	3.5	3.55	PDUN8IXDPB	5.5P	63	13	21	38	4.5	3.4	6	2	D05	●
No.10-32UNF	2B	4.1	4.12	PDUNAJXDPB	5.5P	70	14	24	39	6	4.9	8	2	D05	●
No.12-28UNF	2B	4.6	4.67	PDUNCKXDPB	5.5P	80	15	28	45	6	4.9	8	2	D05	●
1/4-28UNF	2BX	5.5	5.53	PDU04KYDPB	5.5P	80	15	30	42	7	5.5	8	3	D05	●

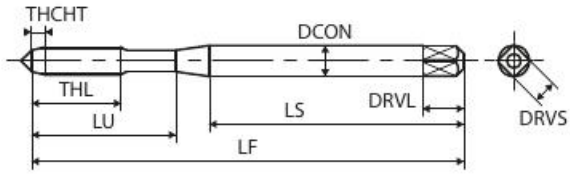
UNF	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 374															
5/16-24UNF	2BX	6.9	6.97	PMU05MYDPB	5.5P	90	19	-	46	6	4.9	8	3	C09	●
3/8-24UNF	2BX	8.5	8.57	PMU06MYDPB	5.5P	100	23	-	51	7	5.5	8	3	C09	●
7/16-20UNF	2BX	9.9	9.96	PMU07NYDPB	5.5P	100	23	-	51	8	6.2	9	3	C09	●
1/2-20UNF	2BX	11.5	11.54	PMU08NYDPB	5.5P	100	21	-	51	9	7	10	3	C09	●
9/16-18UNF	2BX	12.9	13	PMU09OYDPB	5.5P	100	21	-	51	11	9	12	3	C09	●
5/8-18UNF	2BX	14.5	14.6	PMU10OYDPB	5.5P	100	21	-	51	12	9	12	3	C09	●
3/4-16UNF	2BX	17.5	17.59	PMU12PYDPB	5.5P	110	24	-	56	14	11	14	3	C09	●
7/8-14UNF	2BX	20.5	20.57	PMU14QYDPB	5.5P	125	24	-	64	18	14.5	17	3	C09	●
1-12UNF	2BX	23.3	23.46	PMU16SYDPB	5.5P	140	27	-	71	18	14.5	17	3	C09	●

EH-PO 30÷45 HRC

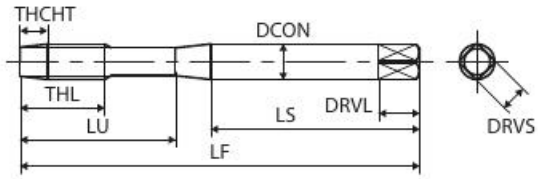
MATERIAL SPECIFIC SERIES MS



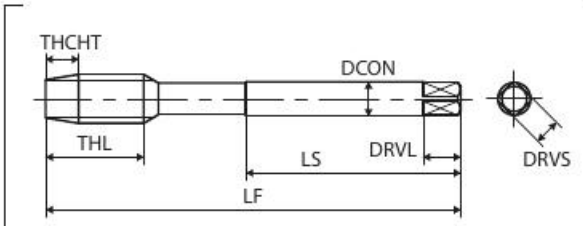
DIN | HSS-Co | 4.5P THCHT



TYPE: D05 Measurements in mm



TYPE: C06 Measurements in mm



TYPE: C09 Measurements in mm

● stock standard, ◘ check stock, ◉ non-stock standard (no MOQ), ○ non-stock standard (MOQ), ▲ upcoming product, ▽ stock exhaustion

M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 371															
M3x0.5	ISO2X(6HX)	2.5	2.56	PD3.0GBDCB	4.5P	56	9	18	34	3.5	2.7	6	3	D05	●
M4x0.7	ISO2X(6HX)	3.3	3.38	PD4.0IBDCB	4.5P	63	13	21	38	4.5	3.4	6	3	D05	●
M5x0.8	ISO2X(6HX)	4.2	4.28	PD5.0KBDCB	4.5P	70	14	25	39	6	4.9	8	3	D05	●
M6x1	ISO2X(6HX)	5	5.09	PD6.0MBDCB	4.5P	80	15	30	45	6	4.9	8	3	D05	●
M8x1.25	ISO2X(6HX)	6.8	6.85	PD8.0NBDCB	4.5P	90	19	35	47	8	6.2	9	3	C06	●
M10x1.5	ISO2X(6HX)	8.5	8.6	PD010OBDCB	4.5P	100	23	39	52	10	8	11	3	C06	●

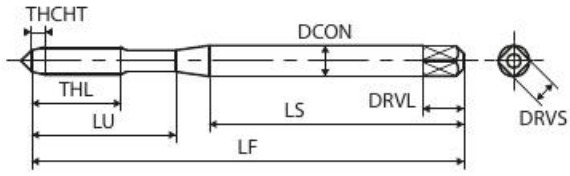
M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 376															
M12x1.75	ISO2X(6HX)	10.3	10.36	PG012PBDCB	4.5P	110	26	-	56	9	7	10	3	C09	●
M14x2	ISO2X(6HX)	12	12.12	PG014QBDCB	4.5P	110	26	-	56	11	9	12	3	C09	●
M16x2	ISO2X(6HX)	14	14.12	PG016QBDCB	4.5P	110	26	-	56	12	9	12	3	C09	●
M20x2.5	ISO2X(6HX)	17.5	17.63	PG020RBDCB	4.5P	140	33	-	71	16	12	15	3	C09	●
M24x3	ISO2X(6HX)	21	21.13	PG024SBDCB	4.5P	160	37	-	82	18	14.5	17	3	C09	●

EH-HT 30÷45 HRC

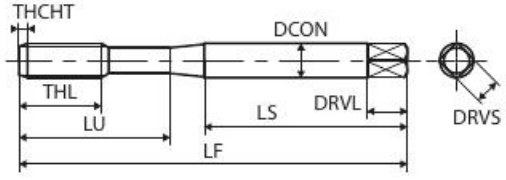
MATERIAL SPECIFIC SERIES MS



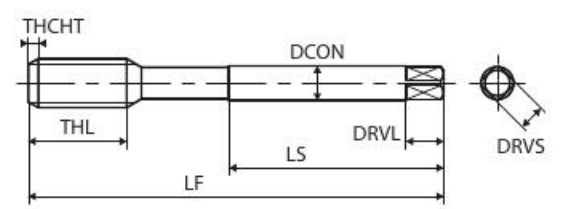
DIN | HSS-Co | 2.5P THCHT



TYPE: D05 Measurements in mm



TYPE: D11 Measurements in mm



TYPE: D13 Measurements in mm

● stock standard, ◘ check stock, ◉ non-stock standard (no MOQ), ○ non-stock standard (MOQ), ▲ upcoming product, ▽ stock exhaustion

M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 371															
M3x0.5	ISO2X(6HX)	2.5	2.56	TD3.0GBDCBC	2.5P	56	9	18	34	3.5	2.7	6	3	D05	●
M4x0.7	ISO2X(6HX)	3.3	3.38	TD4.0IBDCBC	2.5P	63	13	21	38	4.5	3.4	6	3	D05	●
M5x0.8	ISO2X(6HX)	4.2	4.28	TD5.0KBDCBC	2.5P	70	14	25	39	6	4.9	8	3	D05	●
M6x1	ISO2X(6HX)	5	5.09	TD6.0MBDCBC	2.5P	80	15	30	45	6	4.9	8	3	D05	●
M8x1.25	ISO2X(6HX)	6.8	6.85	TD8.0NBDCBC	2.5P	90	19	35	47	8	6.2	9	4	D11	●
M10x1.5	ISO2X(6HX)	8.5	8.6	TD0100BDCBC	2.5P	100	23	39	52	10	8	11	4	D11	●

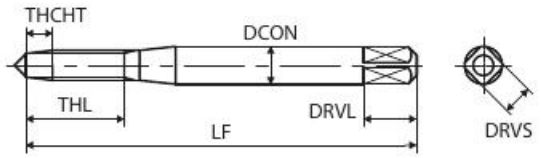
M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 376															
M12x1.75	ISO2X(6HX)	10.3	10.36	TG012PBDCBC	2.5P	110	26	-	56	9	7	10	4	D13	●
M14x2	ISO2X(6HX)	12	12.12	TG014QBDCBC	2.5P	110	26	-	56	11	9	12	4	D13	●
M16x2	ISO2X(6HX)	14	14.12	TG016QBDCBC	2.5P	110	26	-	56	12	9	12	4	D13	●
M20x2.5	ISO2X(6HX)	17.5	17.63	TG020RBDCBC	2.5P	140	33	-	71	16	12	15	4	D13	●
M24x3	ISO2X(6HX)	21	21.13	TG024SBDCBC	2.5P	160	37	-	82	18	14.5	17	4	D13	●

G (BSP)	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 5156															
1/8-28	-	8.75	8.78	TVG0020DCBC	2.5P	90	19	-	46	7	5.5	8	4	D13	●
1/4-19	-	11.75	11.78	TVG0040DCBC	2.5P	100	21	-	51	11	9	12	4	D13	●
3/8-19	-	15.25	15.28	TVG0060DCBC	2.5P	100	21	-	51	12	9	12	4	D13	●
1/2-14	-	19	19.04	TVG0080DCBC	2.5P	125	24	-	64	16	12	15	4	D13	●

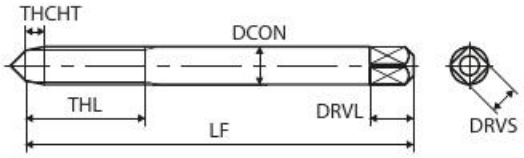
UH-CT ≤63 HRC



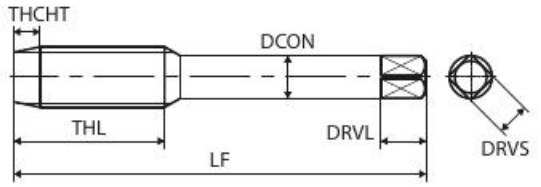
DIN | HF CARBIDE | COATING | SYNCHRO | 5P THCHT



TYPE: F01 — Measurements in mm



TYPE: F02 — Measurements in mm



TYPE: F04 — Measurements in mm

● stock standard, ◘ check stock, ◉ non-stock standard (no MOQ), ○ non-stock standard (MOQ), ▲ upcoming product, ▽ stock exhaustion

M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 371															
M3x0.5	ISO2X(6HX)	2.56	2.6	TD3.0GBBWA5	5P	56	11	-	-	3.5	2.7	6	4	F01	●
M4x0.7	ISO2X(6HX)	3.4	3.42	TD4.0IBBWA5	5P	63	13	-	-	4.5	3.4	6	4	F01	●
M5x0.8	ISO2X(6HX)	4.3	4.33	TD5.0KBBWA5	5P	70	16	-	-	6	4.9	8	4	F01	●
M6x1	ISO2X(6HX)	5.1	5.15	TD6.0MBBWA5	5P	80	19	-	-	6	4.9	8	5	F02	●
M8x1.25	ISO2X(6HX)	6.9	6.91	TD8.0NBBWA5	5P	90	22	-	-	8	6.2	9	5	F02	●
M10x1.5	ISO2X(6HX)	8.6	8.65	TD010OBBWA5	5P	100	24	-	-	10	8	11	5	F02	●

M	TCTR (tolerance)	Ø (mm)	Hole Ø (mm)	Code	THCHT	LF	THL	LU	LS	DCON	DRVS	DRVL	NOF	Type	Stock
DIN 376															
M12x1.75	ISO2X(6HX)	10.4	10.42	TG012PBBWA5	5P	110	29	-	-	9	7	10	5	F04	●
M14x2	ISO2X(6HX)	12.1	12.15	TG014QBBWA5	5P	110	30	-	-	11	9	12	6	F04	●
M16x2	ISO2X(6HX)	14.1	14.15	TG016QBBWA5	5P	110	32	-	-	12	9	12	6	F04	●
M18x2.5	ISO2X(6HX)	15.6	15.65	TG018RBBWA5	5P	125	34	-	-	14	11	14	6	F04	◉
M20x2.5	ISO2X(6HX)	17.6	17.65	TG020RBBWA5	5P	140	34	-	-	16	12	15	6	F04	●

Dowmload the Yamawa's Catalogue

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9/2026

$YHARDSTEEL

Think threads with YAMAWA

ISO 9001 JQA-QMA14664

ISO 14001 JQA-EM3465

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